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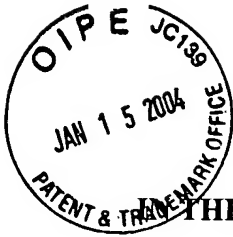
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PATENT

THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. 00-715-B)

In the Application of:)	
)	
Chad A. Mirkin, et al.)	
)	Examiner: TBA
Serial No.: 10/716,829)	
)	Group Art Unit: 1656
Filed: November 18, 2003)	
)	Confirmation No. TBA
For: NANOPARTICLES HAVING)	
OLIGONUCLEOTIDES ATTACHED)	
THERETO AND USES THEREFOR)	

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

In order to comply with discretionary regulations 37 CFR §§1.97 and 1.98, attached hereto is Form PTO-1449, copies¹ of the documents listed thereon. These documents contain information which the Examiner may consider to be important in deciding whether to allow the present application to issue as a patent.

1. Mroczkowski, et al., U.S. Patent No. 5,284,748, issued 02/08/94.
2. Engelhardt, et al., U.S. Patent No. 5,288,609, issued 02/22/94.

¹To the extent that a document is listed and no copy of same is attached, then such document is not at the present time available to the undersigned or is available in the file of a parent application. If a listed document is not in the English language and an English translation is readily available, such translation is also attached; if translation is not attached it is not readily available to the undersigned. If a foreign language patent document is cited, and an English language equivalent is known to the undersigned, then such equivalent patent is also cited on the attached form along with the corresponding foreign language patent and a connecting arrow indicated therebetween; if no such English language equivalent is cited, then none is known to undersigned.

3. Hainfield, et al., U.S. Patent No. 5,360,895, issued 11/01/94.
4. Kidwell, et al., U.S. Patent No. 5,384,265, issued 01/24/95.
5. Beebe, et al., U.S. Patent No. 5,472,881, issued 12/05/95.
6. Stimpson, et al., U.S. Patent No. 5,599,668, issued 02/04/97.
7. Kidwell, et al., U.S. Patent No. 5,637,508, issued 06/10/97.
8. Alivisatos, et al., U.S. Patent No. 5,751,018, issued 05/12/98.
9. Hansen, et al., U.S. Patent No. 5,939,021, issued 08/17/99.
10. Weiss, et al., U.S. Patent No. 5,990,479, issued 11/23/99.
11. WO 93/10564 published 27 May 1993.
12. WO 98/10289 published 12 March 1998.
13. WO 99/23258 published 14 May 1999.
14. WO 99/21934 published 06 May 1999.
15. WO 99/20789 published 29 April 1999.
16. O.D. Velez, et al., "In Situ Assembly of Collordal Particles into Miniaturized Biosensors," *Langmuir*, May 25, 1999, Vol. 15, No. 11, pp. 3693-3698 (May 25, 1999)

In accordance with MPEP Sections 609 and 707.05(b), it is requested that each document cited (including any cited in applicant's specification which is not repeated on the attached Form PTO-1449) be given thorough consideration and that it be cited of record in the prosecution history of the present application by initialing on Form PTO-1449. Such initialing is requested even if the Examiner does not consider a cited document to be sufficiently pertinent to use in a rejection, or otherwise does not consider it to be prior art for any reason, or even if the Examiner does not believe that the guidelines for citation have been fully complied with. This is requested so that each document becomes listed on the face of the patent issuing on the present application.

The present Disclosure Statement is being submitted in compliance with 37 CFR 1.56 insofar as an Examiner might consider any of the cited documents important in deciding whether to allow the application to issue as a patent, but the citation of each document is not to be construed as an admission that such document is necessarily relevant or prior art. No representation is intended that the cited documents represent the results of a complete search, and it is anticipated that the Examiner, in the normal course of examination, will make an independent search and will determine the best prior art consistent with 37 CFR 1.104(a) and 1.106(b) and, in the course of each search, will review for relevance every document cited on the attached form even if not initialed.

Early and favorable consideration is earnestly solicited.

Respectfully submitted,

Dated: _____

1/14/04



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Registration No. 35,285

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Chicago, Illinois 60606
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THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

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1. Natan, U.S. Patent No. 5,609,907, issued March 11, 1997.
2. Natan, U.S. Patent No. 6,025,202, issued February 15, 2000.

¹To the extent that a document is listed and no copy of same is attached, then such document is not at the present time available to the undersigned or is available in the file of a parent application. If a listed document is not in the English language and an English translation is readily available, such translation is also attached; if translation is not attached it is not readily available to the undersigned. If a foreign language patent document is cited, and an English language equivalent is known to the undersigned, then such equivalent patent is also cited on the attached form along with the corresponding foreign language patent and a connecting arrow indicated therebetween; if no such English language equivalent is cited, then none is known to undersigned.

3. Natan, et al., U.S. Patent No. 6,149,868, issued November 21, 2000.

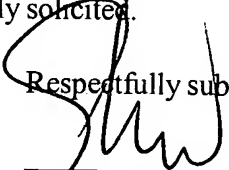
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Dated: 1/14/04

Respectfully submitted,



Emily Miao
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FORM PTO-1449
(Rev. 2-32)

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

00-715-B

Serial N .

10/716,829

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)



Applicant:

Chad A. Mirkin, et al.

Filing Date:

November 18, 2003

Group:

1656

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	1.	5,609,907	03/11/97	Natan			
	2.	6,025,202	02/15/00	Natan			
	3.	6,149,868	11/21/00	Natan, et al.			

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No

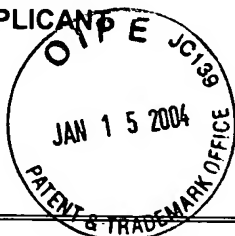
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 00-715-B	Serial No. 10/716,829
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Applicant: Chad A. Mirkin, et al.	
		Filing Date: November 18, 2003	Group: 1656



U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class Subclasses	Filing Date
	1.	5,284,748	02/22/94	Engelhardt, et al.		
	2.	5,288,609	02/08/94	Mroczkowski, et al.		
	3.	5,360,895	11/01/94	Hainfield, et al.		
	4.	5,384,265	01/24/95	Kidwell, et al.		
	5.	5,472,881	12/05/95	Beebe, et al.		
	6.	5,599,668	02/04/97	Stimpson, et al.		
	7.	5,637,508	06/10/97	Kidwell, et al.		
	8.	5,751,018	05/12/98	Alivisatos, et al.		
	9.	5,939,021	08/17/99	Hansen, et al.		
	10.	5,990,479	11/23/99	Weiss, et al.		

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes N
	11.	WO 93/10564	27 May 93	PCT			
	12.	WO 98/10289	12 March 98	PCT			
	13.	WO 99/23258	14 May 99	PCT			
	14.	WO 99/21934	06 May 99	PCT			
	15.	WO 99/20789	29 April 99	PCT			

OTHER DOCUMENTS - Including Author, Title, Date, Pertinent Pages, Etc.

16.	O.D. Velev, et al., "In Situ Assembly of Colloidal Particles into Miniaturized Biosensors," <i>Langmuir</i> , Vol. 15, No. 11, pp. 3693-3698, May 25, 1999
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Examiner	Date Considered
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